

Ch 2 Test tomorrow

2.1 Midpoint and Bisector

$$M\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$$

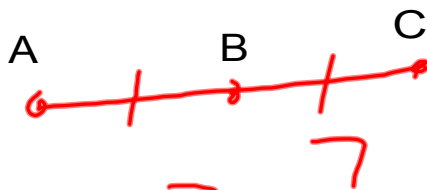
(3, 4)

(5, -2)

$$M\left(\frac{3+5}{2}, \frac{4+(-2)}{2}\right)$$

$$M(4, 1)$$

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$$AB = 7$$

$$AC = 14$$

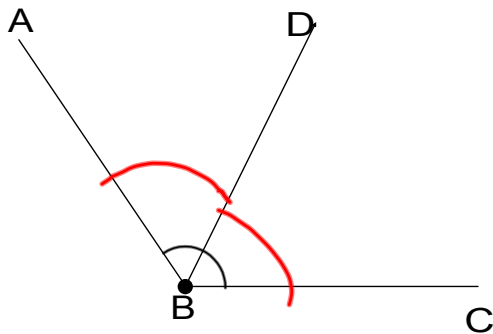


$$2x = 8$$

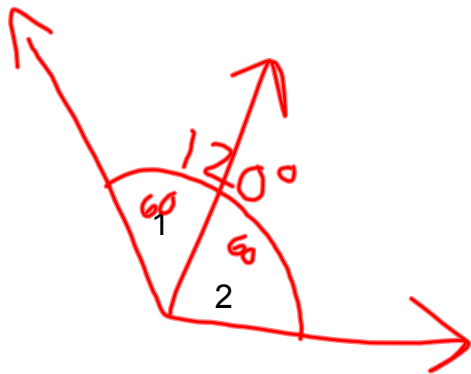
$$x = 4$$

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2.2 Angle Bisector



\vec{BD} bis. $\angle ABC$
 $\angle ABD \cong \angle CBD$



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2.3 Complementary

sum 90

Supplementary

sum 180

$$m\angle A = 42$$

Complement?

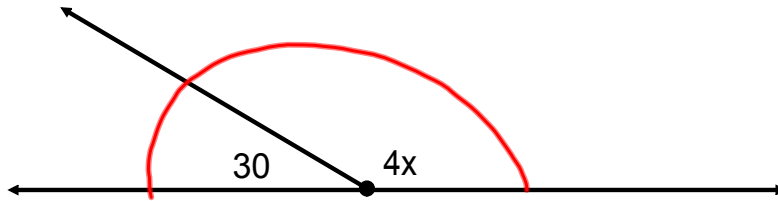
48

Supplement?

138

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Linear Pair



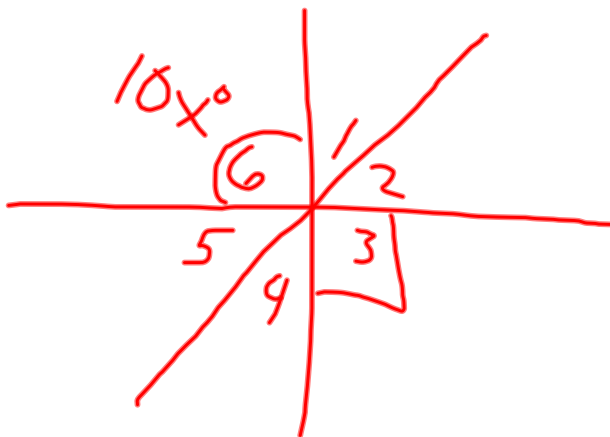
$$4x + 30 = 180$$

$$4x = 150$$

$$x = 37.5$$

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2.4 Vertical Angles



$$10x = 90$$

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2.5

If you study, then you will pass.

Hypothesis

Conclusion

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Law of Syllogism

If A, then B.

If B, then C.

If A, then C.

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Converse

If A, then B.

If B, then A.

 Put into the if, then form.

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2.6 Properties

Reflexive, Symmetric, Transitive, +,

-, \times , \div , Substitution

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Drawing Conclusions

204-2-6 worksheet

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Review Assignment

p98 1-12, 14-17

p99 1-4, 6,7, 8 a,d,e

p97 22-24

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